

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-124460

(43)Date of publication of application : 16.05.1995

(51)Int.Cl.

B01J 4/02  
G05D 7/06  
// B01F 15/02

(21)Application number : 05-294517

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(22)Date of filing : 29.10.1993

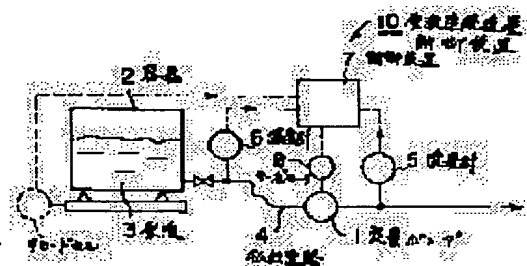
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## (54) CONTINUOUS FLOW CONTROL DEVICE FOR FEED LIQUID

### (57)Abstract:

**PURPOSE:** To provide a continuous flow control device for a feed liquid in which stable flow control is made with little control lag for a change in temp. even if a constant temp. chamber is not provided and a complete take-out control is made with high accuracy and which is of low cost, of manpower saving and is economical.

**CONSTITUTION:** This control device is provided with a flowmeter 5 installed in a draw-out pass 4 through which a feed liquid in a vessel 2 is drawn out by a fixed delivery pump and for generating an output corresponding to the flow rate of the feed liquid, a thermometer 6 installed in the pass 4 for generating an output corresponding to the temp. of the feed liquid flowing in the pass 4, and a controller 7 for controlling the revolution of a servomotor 8 for driving the motor to the one corresponding to the previously set flow rate without being affected by the drift of the flowmeter and a change in viscosity of the feed liquid due to a change in temp., based on the output signals from the flow meter 5 and the thermometer 6. The controller 7 automatically correct its target value every prescribed interval so that the detected weight of the draw-out feed liquid may coincide with the weight of the draw-out feed liquid corresponding to the set flow rate, based on an output signal from a load cell 9 of the vessel 2.



## LEGAL STATUS

[Date of request for examination]

24.07.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

3426670

[Date of registration]

09.05.2003

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]